

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P314586

Luminaire Tested: **MPW-A6-D-U-SYM-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P314586
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1906-378-15)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: MPW-A6-D-U-SYM-7030
Description: WOODBRIDGE POST TOP LUMINAIRE
(1) 70 CRI, 3000K LIGHT ENGINE. SYMMETRIC DISTRIBUTION.
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6376 lumens
Efficiency: N/A
Efficacy: 99.5 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1' x H: 0.58')
IES Classification: Type I - Short - Non-Cutoff
BUG Rating: B3 - U5 - G4

Input Watts (W): 64.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

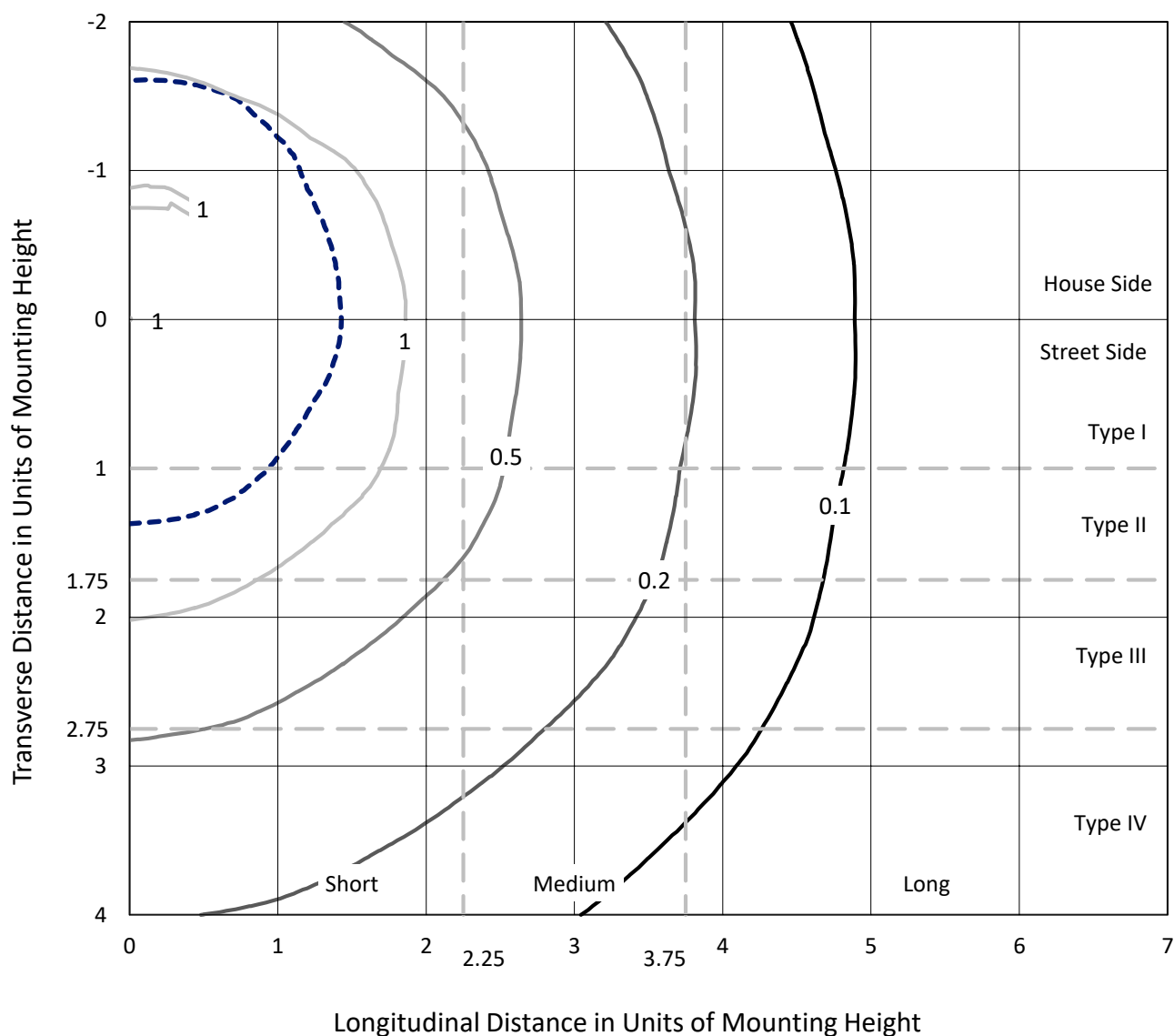


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

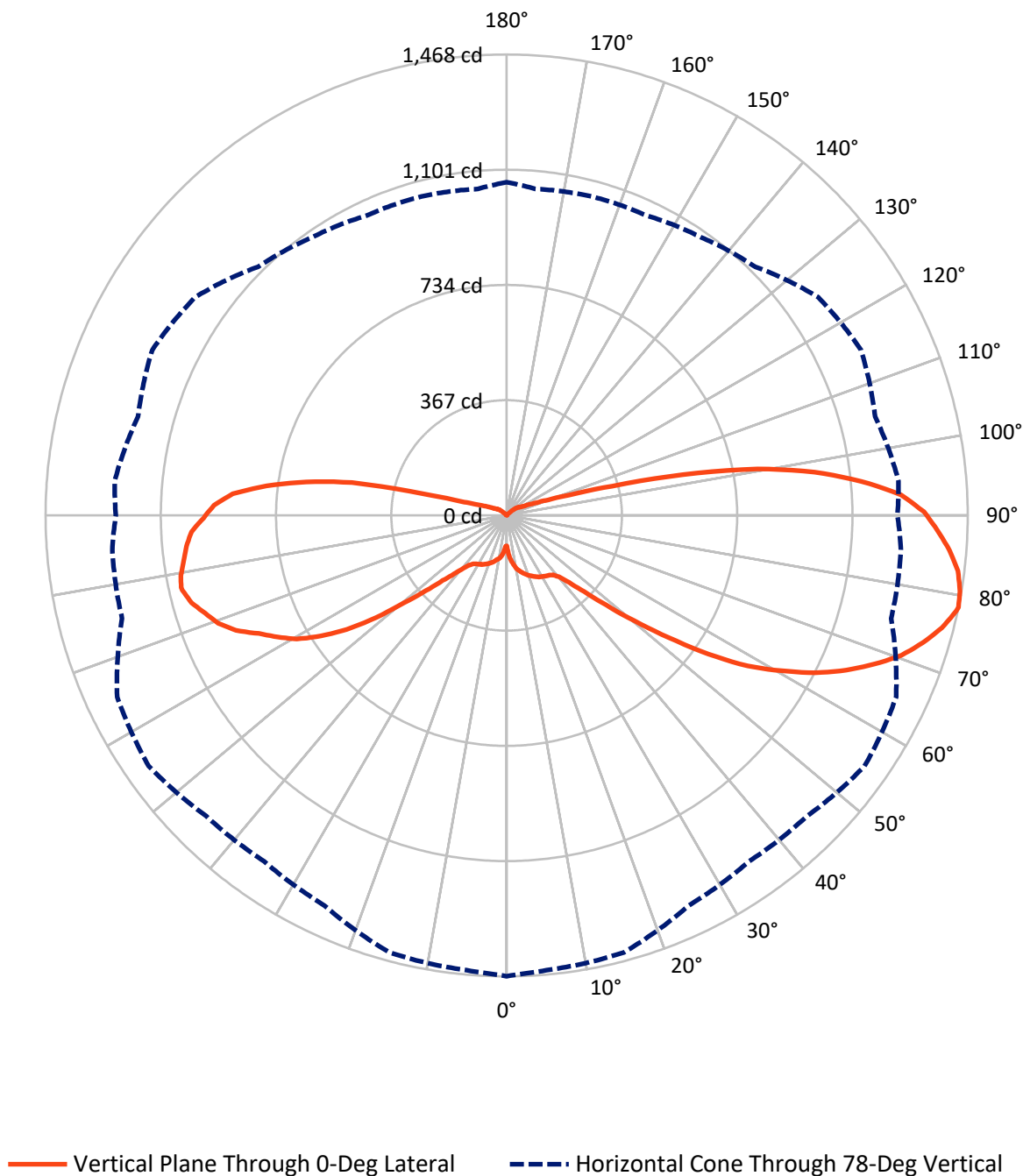


Based on 10 foot mounting height. Maximum calculated value = 1.7 fc
 Type I - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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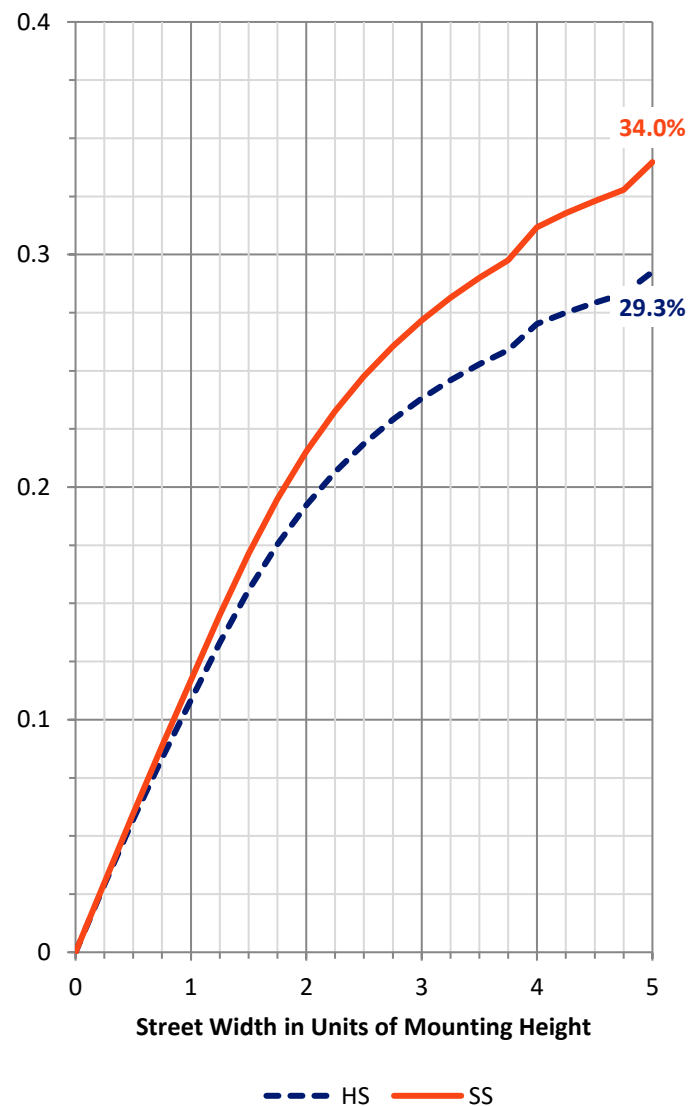
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2200.7	733.0	2933.7
	% Fixture	34.5	11.5	46.0
Street Side	Lumens	2597.5	844.7	3442.3
	% Fixture	40.7	13.2	54.0
Total	Lumens	4798.3	1577.7	6376.0
	% Fixture	75.3	24.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.0	0.2
10°-20°	48.3	0.8
20°-30°	90.5	1.4
30°-40°	135.5	2.1
40°-50°	265.7	4.2
50°-60°	635.9	10.0
60°-70°	1012.3	15.9
70°-80°	1283.3	20.1
80°-90°	1313.6	20.6
90°-100°	1069.9	16.8
100°-110°	386.4	6.1
110°-120°	78.8	1.2
120°-130°	35.5	0.6
130°-140°	7.1	0.1
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4798.3	75.3
0°-180°	6376.0	100.0

Coefficient of Utilization



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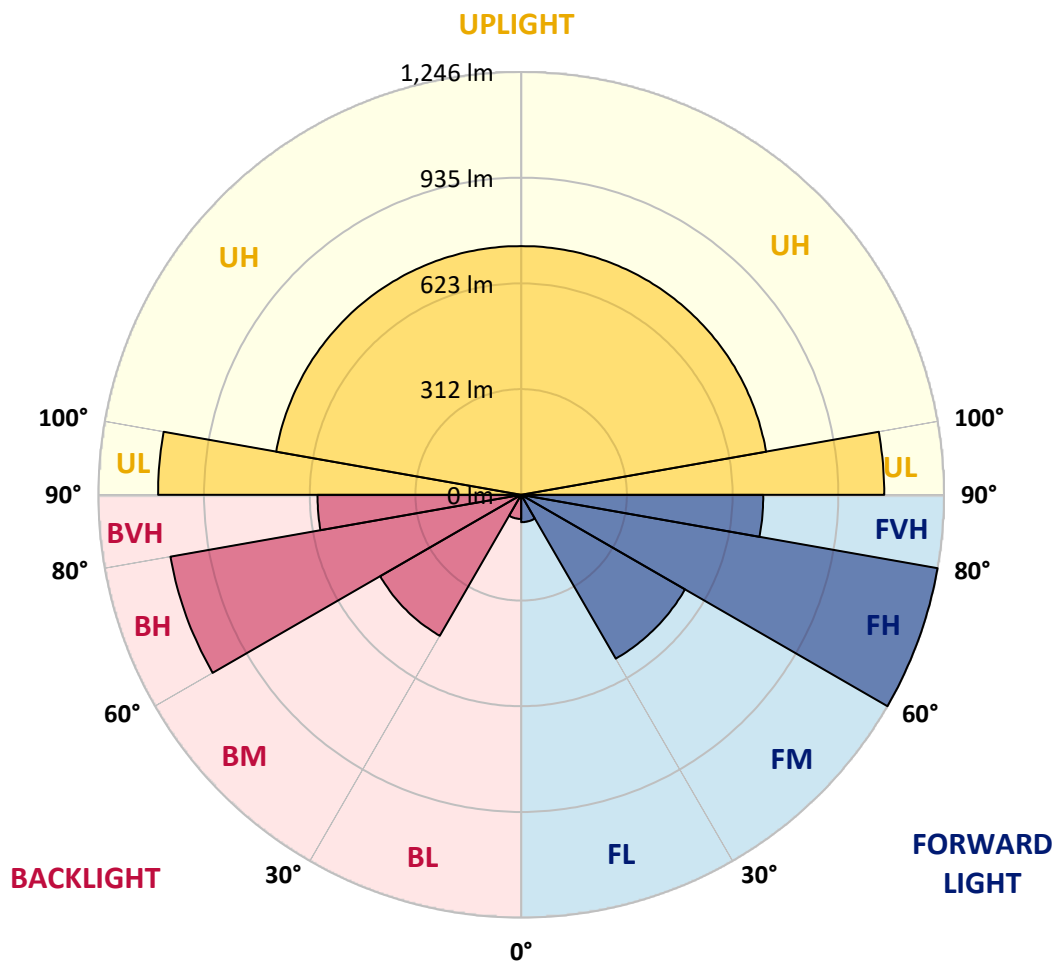
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	80.7	1.3			
FM	(30°-60°)	557.5	8.7			
FH	(60°-80°)	1246.0	19.5			G1/1800
FVH	(80°-90°)	713.3	11.2			G4/750
BL	(0°-30°)	71.1	1.1	B0/110		
BM	(30°-60°)	479.7	7.5	B1/1000		
BH	(60°-80°)	1049.6	16.5	B3/2500		G3/2500
BVH	(80°-90°)	600.3	9.4			G4/750
UL	(90°-100°)	1069.9	16.8		U5	
UH	(100°-180°)	733.0	11.5		U4/1000	

BUG Rating: B3-U5-G4

Type I Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
2.5°	123.9	123.0	122.0	120.2	121.1	120.2	118.3	115.6	112.8	110.0	108.2
5°	143.3	142.4	142.4	142.4	142.4	142.4	141.5	138.7	135.0	131.3	126.7
7.5°	158.1	157.2	157.2	158.1	158.1	157.2	155.3	153.5	150.7	148.9	145.2
10°	172.0	171.0	171.0	171.0	170.1	168.3	166.4	163.7	160.0	158.1	155.3
12.5°	181.2	180.3	180.3	179.4	178.4	176.6	172.9	169.2	167.3	164.6	161.8
15°	189.5	188.6	188.6	186.8	185.8	184.0	180.3	177.5	174.7	172.9	171.0
17.5°	196.9	196.9	196.0	194.2	193.2	191.4	188.6	184.9	182.1	180.3	177.5
20°	204.3	203.4	203.4	201.6	199.7	197.9	195.1	192.3	190.5	187.7	184.9
22.5°	209.9	209.9	209.0	208.0	206.2	205.3	201.6	199.7	196.9	195.1	192.3
25°	216.4	216.4	216.4	214.5	212.7	211.7	208.0	206.2	204.3	201.6	197.9
27.5°	221.9	221.0	221.9	220.1	217.3	216.4	212.7	209.9	208.0	206.2	202.5
30°	225.6	225.6	224.7	223.7	221.0	219.1	216.4	213.6	211.7	209.0	206.2
32.5°	230.2	228.4	230.2	226.5	224.7	221.9	219.1	215.4	213.6	210.8	208.0
35°	233.9	233.0	233.0	232.1	228.4	226.5	222.8	220.1	217.3	214.5	211.7
37.5°	240.4	240.4	240.4	238.5	236.7	237.6	234.8	231.1	228.4	224.7	220.1
40°	257.0	257.0	257.0	257.0	256.1	258.9	258.0	257.0	256.1	250.6	243.2
42.5°	291.2	292.2	291.2	291.2	292.2	297.7	298.6	300.5	297.7	289.4	279.2
45°	346.7	348.6	346.7	349.5	351.3	358.7	357.8	359.7	356.0	348.6	331.9
47.5°	427.2	429.9	430.9	425.3	426.2	433.6	438.3	440.1	436.4	419.8	405.0
50°	527.9	530.7	530.7	526.1	521.5	530.7	537.2	540.9	542.7	515.0	498.4
52.5°	646.3	650.0	649.1	643.5	634.3	653.7	659.2	676.8	672.2	630.6	612.1
55°	780.3	784.0	783.1	772.0	757.2	765.6	782.2	802.5	797.0	746.1	733.2
57.5°	905.2	907.0	907.0	893.1	875.6	870.0	881.1	905.2	895.9	836.7	825.7
60°	1005.0	1006.9	1007.8	986.5	965.3	953.2	962.5	989.3	980.1	911.6	900.5
62.5°	1104.0	1096.6	1089.2	1071.6	1042.0	1028.1	1030.0	1065.1	1046.6	971.7	963.4
65°	1189.0	1186.2	1168.7	1150.2	1117.8	1102.1	1102.1	1139.1	1120.6	1041.1	1030.0
67.5°	1263.9	1263.9	1243.6	1226.0	1182.5	1164.1	1160.4	1204.7	1181.6	1100.3	1086.4
70°	1334.2	1332.3	1309.2	1297.2	1243.6	1216.8	1221.4	1266.7	1246.3	1160.4	1150.2
72.5°	1386.0	1386.0	1369.3	1358.2	1292.6	1267.6	1269.5	1317.5	1294.4	1203.8	1189.9
75°	1431.3	1427.6	1418.3	1408.1	1339.7	1311.1	1315.7	1362.8	1338.8	1247.3	1241.7
77.5°	1463.6	1460.8	1452.5	1441.4	1366.5	1340.6	1348.0	1390.6	1369.3	1264.8	1257.4
78°	1468.2	1463.6	1454.4	1441.4	1371.2	1345.3	1353.6	1391.5	1368.4	1267.6	1260.2
80°	1463.6	1459.9	1449.7	1435.9	1373.9	1343.4	1348.0	1381.3	1357.3	1263.0	1252.8
82.5°	1447.9	1445.1	1435.9	1419.2	1357.3	1331.4	1336.0	1367.5	1346.2	1248.2	1252.8
85°	1414.6	1408.1	1400.7	1384.1	1330.5	1300.9	1304.6	1335.1	1311.1	1214.9	1212.1
87.5°	1373.0	1368.4	1362.8	1346.2	1296.3	1270.4	1271.3	1301.8	1278.7	1189.0	1189.0
90°	1328.6	1323.1	1318.5	1302.7	1253.7	1228.8	1229.7	1263.9	1245.4	1163.1	1167.8
92.5°	1257.4	1252.8	1248.2	1230.6	1186.2	1162.2	1165.9	1199.2	1180.7	1100.3	1105.8
95°	1134.5	1130.8	1131.7	1118.7	1079.0	1056.8	1057.7	1091.0	1073.4	1003.2	1018.0
97.5°	990.2	988.4	982.8	978.2	943.1	929.2	925.5	961.6	953.2	892.2	907.9
100°	811.8	808.1	801.6	799.8	777.6	772.0	774.8	809.0	804.4	751.7	767.4
102.5°	575.1	574.2	579.7	569.5	560.3	562.1	573.2	601.9	597.3	552.0	562.1
105°	349.5	350.4	345.8	343.0	335.6	334.7	336.5	344.9	334.7	304.2	306.0
107.5°	208.0	209.0	209.9	203.4	197.9	196.0	195.1	197.9	192.3	180.3	180.3



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CANDELA DISTRIBUTION (continued):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
110°	141.5	141.5	142.4	138.7	134.1	134.1	133.1	135.9	134.1	127.6	127.6
112.5°	103.6	104.5	103.6	101.7	98.9	99.9	99.9	101.7	101.7	98.0	98.0
115°	80.4	80.4	80.4	78.6	76.7	76.7	77.7	79.5	80.4	78.6	78.6
117.5°	63.8	63.8	63.8	62.9	61.0	61.0	61.9	62.9	64.7	63.8	63.8
120°	53.6	53.6	53.6	52.7	51.8	51.8	52.7	53.6	54.6	53.6	53.6
122.5°	48.1	48.1	48.1	47.2	46.2	46.2	46.2	47.2	48.1	48.1	48.1
125°	43.5	43.5	43.5	43.5	41.6	40.7	41.6	42.5	43.5	44.4	44.4
127.5°	36.1	36.1	37.0	36.1	35.1	35.1	36.1	36.1	37.9	38.8	38.8
130°	26.8	26.8	27.7	27.7	26.8	25.9	26.8	27.7	29.6	30.5	29.6
132.5°	16.6	17.6	17.6	17.6	16.6	16.6	17.6	18.5	20.3	21.3	20.3
135°	1.8	1.8	2.8	1.8	2.8	2.8	2.8	3.7	5.5	6.5	6.5
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.9	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.9	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.9	0.9	0.9	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
2.5°	107.3	108.2	106.3	105.4	104.5	103.6	102.6	100.8	99.9	99.9	98.9
5°	125.7	124.8	123.0	120.2	119.3	118.3	117.4	116.5	116.5	116.5	116.5
7.5°	143.3	141.5	136.8	134.1	133.1	134.1	132.2	131.3	130.4	129.4	129.4
10°	153.5	151.6	148.9	146.1	144.2	144.2	143.3	141.5	139.6	138.7	138.7
12.5°	160.0	158.1	156.3	153.5	151.6	150.7	149.8	147.0	144.2	144.2	143.3
15°	169.2	167.3	164.6	161.8	160.0	158.1	157.2	153.5	150.7	149.8	149.8
17.5°	176.6	174.7	172.9	170.1	167.3	164.6	162.7	160.0	157.2	156.3	156.3
20°	184.0	182.1	179.4	177.5	173.8	171.0	169.2	166.4	163.7	162.7	161.8
22.5°	191.4	189.5	186.8	184.9	181.2	177.5	174.7	172.0	168.3	167.3	166.4
25°	196.9	195.1	193.2	190.5	186.8	183.1	179.4	175.7	173.8	172.0	171.0
27.5°	201.6	200.6	198.8	196.0	191.4	187.7	184.0	180.3	177.5	175.7	175.7
30°	205.3	204.3	202.5	199.7	196.0	192.3	188.6	184.9	181.2	179.4	178.4
32.5°	208.0	206.2	205.3	202.5	199.7	196.0	192.3	188.6	184.9	183.1	182.1
35°	210.8	209.9	208.0	206.2	202.5	199.7	196.0	193.2	189.5	188.6	187.7
37.5°	219.1	218.2	216.4	212.7	209.9	207.1	204.3	201.6	199.7	198.8	197.9
40°	243.2	239.5	235.8	232.1	226.5	222.8	220.1	219.1	218.2	218.2	219.1
42.5°	275.5	273.7	270.9	264.4	257.0	251.5	248.7	249.6	248.7	248.7	250.6
45°	327.3	323.6	319.9	314.4	301.4	292.2	289.4	287.5	289.4	288.5	290.3
47.5°	394.8	397.6	384.6	378.2	364.3	350.4	348.6	343.0	346.7	348.6	351.3
50°	488.2	491.0	478.9	466.0	450.3	427.2	423.5	417.0	419.8	428.1	427.2
52.5°	606.5	607.5	595.4	582.5	563.1	530.7	526.1	518.7	515.9	527.9	528.9
55°	729.5	734.1	715.6	706.4	687.0	641.7	626.9	614.8	615.8	628.7	625.9
57.5°	825.7	827.5	810.9	806.2	785.0	729.5	712.9	687.9	696.2	705.5	705.5
60°	898.7	900.5	880.2	883.0	866.3	795.1	780.3	752.6	759.1	765.6	775.7
62.5°	961.6	968.0	940.3	945.8	931.1	852.5	831.2	809.9	817.3	818.3	824.7
65°	1027.2	1028.1	999.5	1006.9	987.5	910.7	877.4	857.1	867.3	865.4	873.7
67.5°	1083.6	1085.5	1055.0	1071.6	1048.5	967.1	934.8	911.6	920.0	913.5	936.6
70°	1141.9	1147.4	1104.0	1119.7	1100.3	1013.3	977.3	955.1	957.9	950.5	980.1
72.5°	1177.9	1189.9	1154.8	1174.2	1146.5	1055.9	1022.6	1003.2	996.7	988.4	1008.7
75°	1219.5	1231.5	1184.4	1212.1	1188.1	1096.6	1061.4	1043.9	1030.0	1025.4	1041.1
77.5°	1242.6	1255.6	1221.4	1241.7	1210.3	1116.9	1077.1	1050.3	1046.6	1042.0	1059.6
78°	1244.5	1252.8	1214.9	1245.4	1211.2	1119.7	1080.8	1054.0	1051.3	1043.9	1061.4
80°	1238.0	1245.4	1210.3	1238.0	1205.7	1114.1	1077.1	1042.0	1043.9	1033.7	1055.0
82.5°	1234.3	1242.6	1207.5	1226.0	1202.9	1106.7	1076.2	1034.6	1034.6	1018.0	1038.3
85°	1194.6	1204.7	1176.1	1198.3	1174.2	1082.7	1056.8	1012.4	1012.4	999.5	1024.4
87.5°	1173.3	1183.5	1148.3	1178.8	1149.3	1055.0	1034.6	997.6	994.9	981.0	1005.0
90°	1147.4	1159.4	1123.4	1138.2	1115.0	1025.4	1003.2	961.6	957.9	943.1	965.3
92.5°	1085.5	1096.6	1062.3	1084.5	1063.3	982.8	960.6	927.4	920.9	910.7	932.0
95°	1001.3	1014.3	987.5	1010.6	988.4	916.3	899.6	874.7	868.2	861.7	874.7
97.5°	892.2	897.8	878.4	899.6	880.2	817.3	803.5	778.5	767.4	765.6	770.2
100°	753.5	757.2	735.0	751.7	737.8	681.4	674.0	662.0	647.2	645.4	647.2
102.5°	559.4	543.7	526.1	519.6	517.8	475.2	479.9	486.3	479.9	487.3	503.0
105°	303.3	294.0	287.5	282.0	285.7	261.7	266.3	267.2	261.7	265.4	270.9
107.5°	178.4	175.7	172.9	170.1	164.6	156.3	154.4	147.9	147.9	147.9	149.8



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	126.7	125.7	123.0	122.0	117.4	111.9	111.0	108.2	106.3	106.3	108.2
112.5°	97.1	96.2	94.3	93.4	91.5	85.1	84.1	83.2	83.2	83.2	84.1
115°	77.7	76.7	75.8	74.0	71.2	66.6	67.5	65.6	65.6	66.6	66.6
117.5°	62.9	61.9	61.9	60.1	57.3	54.6	54.6	53.6	53.6	53.6	54.6
120°	53.6	52.7	51.8	50.9	48.1	45.3	45.3	44.4	45.3	45.3	45.3
122.5°	48.1	47.2	46.2	45.3	42.5	39.8	39.8	38.8	39.8	39.8	39.8
125°	43.5	42.5	41.6	39.8	37.0	35.1	35.1	35.1	35.1	35.1	35.1
127.5°	37.9	37.0	35.1	33.3	31.4	29.6	29.6	29.6	30.5	30.5	30.5
130°	29.6	27.7	26.8	25.0	23.1	21.3	22.2	23.1	24.0	24.0	24.0
132.5°	20.3	19.4	17.6	15.7	13.9	13.9	13.9	15.7	16.6	16.6	16.6
135°	5.5	5.5	5.5	4.6	4.6	4.6	5.5	7.4	7.4	8.3	8.3
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)